

Title (en)
PROCESS FOR THE PRODUCTION OF FORMALDEHYDE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FORMALDEHYD

Title (fr)
PROCÉDÉ DE PRODUCTION DE FORMALDÉHYDE

Publication
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Application
EP 15816840 A 20151218

Priority
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Abstract (en)
[origin: WO2016132091A1] A process is described for the production of formaldehyde, comprising (a) subjecting methanol to oxidation with air in a formaldehyde production unit thereby producing a formaldehyde-containing stream; (b) separating said formaldehyde-containing stream into a formaldehyde product stream and a formaldehyde vent gas stream; wherein the vent gas stream, optionally after treatment in a vent gas treatment unit, is passed to one or more stages of: (i) synthesis gas generation, (ii) carbon dioxide removal, (iii) methanol synthesis or (iv) urea synthesis.

IPC 8 full level
C07C 45/38 (2006.01); **C01B 3/02** (2006.01); **C01C 1/04** (2006.01); **C07C 29/151** (2006.01); **C07C 47/04** (2006.01); **C07C 273/04** (2006.01); **C07C 273/14** (2006.01)

CPC (source: CN EA EP GB US)
C01B 3/025 (2013.01 - EA US); **C01B 3/382** (2013.01 - CN EA EP US); **C01B 3/48** (2013.01 - EA US); **C01B 3/52** (2013.01 - EA US); **C01B 3/56** (2013.01 - EA US); **C01C 1/0488** (2013.01 - CN EA EP US); **C07C 29/1518** (2013.01 - CN EA EP US); **C07C 31/04** (2013.01 - CN EA); **C07C 45/29** (2013.01 - EA US); **C07C 45/38** (2013.01 - CN EA EP GB US); **C07C 47/04** (2013.01 - CN EA GB); **C07C 273/04** (2013.01 - CN EA EP GB US); **C07C 273/10** (2013.01 - EA US); **C07C 273/14** (2013.01 - CN EA EP GB US); **C10J 3/82** (2013.01 - EA US); **C01B 2203/0233** (2013.01 - CN EA EP US); **C01B 2203/0244** (2013.01 - CN EA EP US); **C01B 2203/025** (2013.01 - CN EA EP US); **C01B 2203/0283** (2013.01 - CN EA EP US); **C01B 2203/0415** (2013.01 - CN EA EP US); **C01B 2203/042** (2013.01 - EA US); **C01B 2203/043** (2013.01 - CN EA EP US); **C01B 2203/0475** (2013.01 - CN EA EP US); **C01B 2203/061** (2013.01 - CN EA EP US); **C01B 2203/062** (2013.01 - EA US); **C01B 2203/068** (2013.01 - EA US); **C01B 2203/1241** (2013.01 - EA US); **C01B 2203/1252** (2013.01 - EA US); **C01B 2203/141** (2013.01 - CN EA EP US); **C01B 2203/142** (2013.01 - EA US); **C01B 2203/145** (2013.01 - CN EA EP US); **C01B 2203/148** (2013.01 - CN EA EP US); **C10J 2300/0916** (2013.01 - EA US); **C10J 2300/093** (2013.01 - EA US); **C10J 2300/0956** (2013.01 - EA US); **C10J 2300/0959** (2013.01 - EA US); **C10J 2300/0976** (2013.01 - EA US); **C10J 2300/1838** (2013.01 - EA US); **C10J 2300/1853** (2013.01 - EA US); **Y02E 50/10** (2013.01 - EA US); **Y02P 20/52** (2015.11 - EA US)

Citation (search report)
See references of WO 2016132091A1

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WO 2016132091 A1 20160825; BR 112017017574 A2 20180508; CA 2977330 A1 20160825; CA 2977330 C 20230321; CN 107428650 A 20171201; CN 107428650 B 20201027; EA 034603 B1 20200225; EA 201791871 A1 20171229; EP 3259245 A1 20171227; EP 3259245 B1 20191023; GB 201502894 D0 20150408; GB 201522403 D0 20160203; GB 2539521 A 20161221; GB 2539521 B 20170920; MX 2017010602 A 20171116; US 10087140 B2 20181002; US 10457634 B2 20191029; US 2018072659 A1 20180315; US 2018362453 A1 20181220

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